## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY					
То:	PCT				
	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				
Berggren OY AB P.O. Box 16 (Jaakonkatu 3 A) FI-00101 Helsinki	(PCT Rule 43bis.1)				
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Applicant's or agent's file reference BP109276	FOR FURTHER ACTION See paragraph 2 below				
	date (day/month/year) Priority date (day/month/year) 07.05.2003				
International Patent Classification (IPC) or both national class C08B 37/00, A23L 1/10, A23L 1/3	sification and IPC				
Applicant					
Suomen Viljava Oy et al					
1. This opinion contains indications relating to the following items:    Box No. I Basis of the opinion					
Name and mailing address of the ISA/SE Patent- och registreringsverket	Authorized officer				
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Form PCT/ISA/237 (cover sheet) (January 2004)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/FI 2004/000274

Box	s No. I	Basis of this opinion	
1.	Th	ard to the <b>language</b> , this opinion has been established on the basis of the international application in the language it was filed, unless otherwise indicated under this item.  is opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and .1(b)).	
2.	claimed i	ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:  of material  a sequence listing  table(s) related to the sequence listing	
	b. forma	in written format in computer readable form	
	c. time	of filing/furnishing contained in the international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search.	
3.		n addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been iled or furnished, the required statements that the information in the subsequent or additional copies is identical to hat in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
4	. Additio	nal comments:	
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### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/FI 2004/000274

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement

#### 1. Statement

Novelty (N)	Claims Claims	1-3,13-14	YES NO
Inventive step (IS)	Claims Claims	1-15	YES NO
Industrial applicability (IA)	Claims Claims		YES NO

### 2. Citations and explanations:

Cited document:

D1:US6060519, (see column 2, line 38-60, column 3, line 22-41 and column 4, line 28-46)

separation of the a method for related to is hydrocolloidal composition from barley or oats. The method involves heat-shearing of the oat or barley substrate in aqueous slurry. The treatment results in disruption of the cellular structures of the cereals which leads to enhanced solubility of ß-glucan.

Claims 1-3 comprises a method to improve the solubility of non-starch polysaccharides in vegetable material. This is done by using mechanical energy to crush the material. The claimed method according to claim 1-3 is not novel in view of D1.

According to claims 4-12 the mechanical energy is generated by the joint effect of heat, pressure and shearing forces. The claimed method is also defined by the vegetable material to be used. According to D1, (column 3, line 52the mechanical energy is generated by dispersing, extruding, homogenisation or the like. D1 also shows that oat and barley, but also mixtures of rice, corn and soy are used. The invention, according to claims 4-12 differs from in that there are no particle sizes and pressures the problem and the method But mentioned in D1. achieving a solution, according to the invention, are known from D1. Since no unexpected, technical effect is achieved by using these particular parameter values we considerer them to be the choice of a skilled person. Claims 4-12 lack .../ ... inventive step.